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Parents and or brothers or sisters	125
One parent	66
Two parents	35
One brother or sister	7
Two brothers or sisters	2
Three or more* brothers or sisters	1
One parent and one brother or sister	5
One parent and two brothers or sisters	3
One parent and three or more brothers or sisters	2
Two parents and brothers or sisters†	4
Other dependents‡	3
Total	762

OLIVE E. OUTWATER.

ORGANIZATION OF THE DIVISION OF STATISTICS IN THE MASSACHUSETTS DEPARTMENT OF LABOR AND INDUSTRIES

On December 1, 1919, the Massachusetts Bureau of Statistics passed out of existence and its functions were transferred to other departments of the state. This Bureau, organized in 1869 as the Bureau of Labor Statistics, was the first governmental agency to be established "for the gathering and compilation of statistical data relating primarily to the welfare of the wage-earning classes of the population."§ Other states and foreign countries soon after established similar bureaus, closely following the plan of organization and the methods of procedure of the Massachusetts Bureau.

In place of a Bureau of Statistics Massachusetts now has a Division of Statistics which is included in the Department of Labor and Industries. The Division of Statistics as now organized includes certain of the original functions of the Bureau of Labor Statistics and comprises the following branches:

Labor Statistics, for the collection and tabulation of statistical and other information relating to matters affecting labor conditions and questions of general economic and social interest. The data collected are published in labor bulletins which are numbered consecutively as issued. Each number is devoted to a single subject and at the end of the year they are bound together under the title *Annual Report on the Statistics of Labor*. In addition to the labor bulletins, quarterly reports relative to industrial conditions in the Commonwealth are issued under the title *Massachusetts Industrial Review*. This Review takes the place of the former *Quarterly Reports on Employment* and affords a medium for the early publication of summary data obtained in connection with various investigations, the results of which are published later in greater detail.

Manufactures Statistics, for the collection and tabulation of statistics of manufactures (published annually under the title *Report on the Statistics of Manufactures*),

* Average number of brothers and sisters, 4.

† Average number of brothers and sisters, 3.

‡ Average number of dependents, 3.

§ *The History of Statistics, its Development and Progress in Many Countries*, an article by Charles F. Gettemy, entitled "The Work of the Several States of the United States in the Field of Statistics," p. 692. Mr. Gettemy, who for twelve years served as director of the Bureau of Statistics and under whose direction it was brought to a high standard of efficiency, resigned in July, 1919, to accept a position as assistant federal reserve agent of the Boston Federal Reserve Bank.

and the compilation of an industrial directory (an up-to-date copy of which is kept in the office).

Department Library, a reference collection on industrial and economic subjects for the use of the entire department and the public. This collection includes the large number of publications which had been accumulated by the Bureau of Statistics since 1869 and special libraries of other offices now consolidated in the new department.

Public Employment Service, for the purpose of assisting employers in securing competent help and aiding workers to obtain positions. There are three State offices located, respectively, in Boston, Springfield, and Worcester. The operation of public employment offices was part of the work of the former Bureau of Statistics, and in the absence of a separate Division of Employment the administration of these offices has been assigned to the director of statistics, who acts also as assistant federal director for Massachusetts of the United States Employment Service with which the State offices work under a coöperative agreement.

The work of the former Bureau included also the taking of the Decennial Census of the Commonwealth, now transferred to the Secretary of the Commonwealth,* and the duties of compiling municipal statistics, of auditing municipal accounts and certifying notes of towns and districts, now undertaken by the Department of Corporations and Taxation.†

ROSWELL F. PHELPS.

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THE FIRST NUMBER OF *METRON*

The appearance of the first number of *Metron*, the new international review of statistics, is an event in the development of statistical science deserving note. The object of *Metron* is to afford a common *locus* for "original articles on statistical methods and on the application of statistics to the different spheres of activity,"—articles published in the organs of the particular sciences with which they deal and not readily accessible to those interested in the application of statistics to other sciences—"and reviews or discussions of results obtained by statistical methods in various fields of science, or such material as may be of interest to the statistician." It publishes articles in English, French, German, and Italian. "The sole necessary condition of approval for publication is that papers shall make a contribution to the theory or practice of statistics of original value and likely to interest a greater or smaller number of students of statistics."

The first number contains the following articles:

- L. March. "La méthode statistique"—a discussion of the foundations of statistical methodology by the director of the French statistique generale, dividing methods of statistical analysis into three categories: (1) comparison of groups of observations by means of centering constants; (2) study of variability within the group; and (3) study of correlations.
- E. Czuber. "Ueber Funktionen von Variablen zwischen welchen Korrelationen bestehen." The author derives formulae for the mean and standard deviation of a function of correlated variables. The paper is a generalization of Pearson's formulae for the mean and standard deviation of an index.
- F. Vinci. "Sui coefficienti di variabilità"—a discussion of two functions for measuring variability.

* Massachusetts Acts, 1919, Chapter 350, Section 25.

† *Ibid.*, Section 52.